EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L4	28113	324/207.21,252.ccls. 338/32R.ccls. 360/313,314,315,316,317,318,318.1,319,320,321,322,323,324,324.1,324.11,324.12,324.2,325,326,327,327.1,327.11,327.2,327.21,327.22,327.23,327.24,327.3,327.31,327.32,327.33.ccls. 438/3,10,14,17,48.ccls. 29/592,592.1,595,602.1,603.01.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 19:05
L5	3	L4 and (bridge wheatstone) with nest$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 19:05
L7	2	"5602471".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 19:06
L8	73	L4 and (bridge wheatstone) near3 within	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/16 19:11
S196	28014	324/207.21,252.ccls. 338/32R.ccls. 360/313,314,315,316,317,318,318.1,319,320,321,322,323,324,324.1,324.11,324.12,324.2,325,326,327,327.1,327.11,327.2,327.21,327.22,327.23,327.24,327.3,327.31,327.32,327.33.ccls. 438/3,10,14,17,48.ccls. 29/592,592.1,595,602.1,603.01.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09
S197	19449	S196 and (substrate semiconductor wafer)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09
S198	4085	S197 and (pinned fixed) near3 (layer level)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09
S199	166	S198 and (bridge wheatstone) same (magneto$1resist$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09
S200	314	S198 and (bridge wheatstone)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09
S201	148	S200 not S199	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09
S202	984	S198 and (("8" eight plural$3 multipl$3 additional) near3 (magneto$1resist$4 gmr tmr cmr) ("2" two plural$3 multipl$3 additional) near3 (bridge wheatstone) dual$1bridge dual adj bridge dual$1wheatstone dual adj wheatstone)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09

S203	915	S202 not S201	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09
S204	765	S203 not S199	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09
S205	120	S198 and (bridge wheatstone) same (gmr tmr cmr)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09
S206	28	S205 not S199	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09
S207	7871	(spin$1valve spin adj valve) and (gmr tmr cmr magneto$1resist$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09
S208	5378	S207 and (pinned fixed) near3 (layer level)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09
S209	340	S208 and (bridge wheatstone)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09
S210	116	S208 and (("2" two plural$3 multipl$3 additional) near3 (bridge wheatstone) dual$1bridge dual adj bridge dual$1wheatstone dual adj wheatstone)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09
S211	3140	S324/207.21,252.ccls. 338/32R.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09
S212	422	S211 and (spin$1valve spin adj valve)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09
S213	7	("20030070497" | "20060103381" | "6175296" | "6313627" | "6366079" | "6501678" | "6946834").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/30 18:09
S214	12	("6501678").URPN.	USPAT	OR	ON	2009/12/30 18:09
S215	8	("5477482" | "5561368" | "5617071" | "5945825" | "6100686" | "6175296" | "6178111" | "6329818").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/30 18:09
S216	3948	S197 and direction near3 magnetiz$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09

S217	446	S216 and (bridge wheatstone)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09
S218	215	S217 not S200	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09
S219	5755	S197 and ((pinned fixed hard) near3 (layer level direction) direction near3 magnetiz$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09
S220	2969	S219 and (spin$1valve spin adj valve)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09
S221	28014	324/207.21,252.ccls. 338/32R.ccls. 360/313,314,315,316,317,318,318.1,319,320,321,322,323,324,324.1,324.11,324.12,324.2,325,326,327,327.1,327.11,327.2,327.21,327.22,327.23,327.24,327.3,327.31,327.32,327.33.ccls. 438/3,10,14,17,48.ccls. 29/592,592.1,595,602.1,603.01.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09
S222	19449	S221 and (substrate semiconductor wafer)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09
S223	5755	S222 and ((pinned fixed hard) near3 (layer level direction) direction near3 magnetiz$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09
S224	2969	S223 and (spin$1valve spin adj valve)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09
S225	886	S224 and ((bridge wheatstone) ("2" two second additional plural$3 multipl$3) near5 (gmr tmr magneto$1resist$4 magnetic near3 resist$4 sens$3 detect$3 probe transducer) same ((pinned fixed hard) near3 (layer level direction) direction near3 magnetiz$5) with (cross$3 perpendicular$2 orthogonal$2 normal$2))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09
S226	5	("20020006017" | "5315282" | "5561368" | "5945825" | "6465053").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/30 18:09
S227	1326	S223 and ((bridge wheatstone) ("2" two second additional plural$3 multipl$3) near5 (gmr tmr magneto$1resist$4 magnetic near3 resist$4 sens$3 detect$3 probe transducer) same ((pinned fixed hard) near3 (layer level direction) direction near3 magnetiz$5) with (cross$3 perpendicular$2 orthogonal$2 normal$2))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09
S228	440	S227 not S225	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09
S229	22533	((pinned fixed hard) near3 (layer level direction) direction near3 magnetiz$5) and (magneto$1resist$4 magnetic near3 resist$4 gmr tmr)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09

S230	14730	S229 and (substrate semiconductor wafer)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09
S231	1297	S230 and (("2" two second additional plural$3 multipl$3) near5 (gmr tmr magneto$1resist$4 magnetic near3 resist$4 sens$3 detect$3 probe transducer) same ((pinned fixed hard) near3 (layer level direction) direction near3 magnetiz$5) with (cross $3 perpendicular$2 orthogonal$2 normal$2))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09
S232	421	S231 not S228 not S225	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09
S233	1242	S230 and (bridge wheatstone)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09
S234	641	S233 not S232 not S228 not S225	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09
S235	140564	(pinned fixed hard) near3 layer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09
S236	14497	S235 and (gmr tmr magneto$1resist$4 magnetic near3 resist$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09
S237	10676	S236 and (bridge wheatstone (plural$4 multipl$4 several two "2" second additional)) same (gmr tmr magneto$1resist$4 magnetic near3 resist$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09
S238	830	S237 and ("x-axis" x near3 axis) and ("y-axis" y near3 axis)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09
S239	633	S237 and (multi$1axis (plural$4 multipl$4 several additional "2" two) near3 axis)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09
S240	410	S239 not S238	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09
S241	2641	365/158.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09

S242	901370	"324".clas. "338".clas. "360".clas. "438".clas. "29".clas. "365".clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09
S243	29264	S242 and (gmr tmr magneto$1resist$4 magnetic near3 resist$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09
S244	10647	S243 and ((pinned fixed hard) near3 (layer axis) spin$1valve spin adj valve)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09
S245	3383	S244 and ((plural$4 multipl$4 several "4" four fourth) near3 (magnetic near3 resist$4 gmr tmr spin$1valve spin adj valve magneto$1resist$4) (bridge wheatstone) same (gmr tmr spin$1valve spin adj valve magneto$1resist$4 magnetic near3 resist $4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09
S246	12671	((pinned fixed hard) near3 (layer axis) spin$1valve spin adj valve) same (gmr tmr magneto$1resist$4 magnetic near3 resist$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09
S247	3804	S246 and ((plural$4 multipl$4 several "4" four fourth) near3 (magnetic near3 resist$4 gmr tmr spin$1valve spin adj valve magneto$1resist$4) (bridge wheatstone) same (gmr tmr spin$1valve spin adj valve magneto$1resist$4 magnetic near3 resist $4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09
S248	901370	"324".clas. "338".clas. "360".clas. "438".clas. "29".clas. "365".clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09
S249	29264	S248 and (gmr tmr magneto$1resist$4 magnetic near3 resist$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09
S250	10647	S249 and ((pinned fixed hard) near3 (layer axis) spin$1valve spin adj valve)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09
S251	3383	S250 and ((plural$4 multipl$4 several "4" four fourth) near3 (magnetic near3 resist$4 gmr tmr spin$1valve spin adj valve magneto$1resist$4) (bridge wheatstone) same (gmr tmr spin$1valve spin adj valve magneto$1resist$4 magnetic near3 resist $4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09
S252	674	S247 not S251	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09
S253	297	324/249.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09

S254	607	360/314,324.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09
S255	1172	(SATO near3 HIDEKI).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09
S256	32	(OOHASHI near3 TOSHIYUKI).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09
S257	98	(WAKUI near3 YUKIO).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09
S258	970	(YOSHIDA near3 SUSUMU).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09
S259	42	(AISO near3 KOKICHI).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09
S260	54	(S255 S258) and (gmr tmr magneto$1resist$4 magnetic near3 resist$4) same (spin$1valve spin adj valve (pinned fixed hard) near3 (layer axis))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09
S261	55	(S255 S258) and (gmr tmr magneto$1resist$4 magnetic near3 resist$4) and (spin$1valve spin adj valve (pinned fixed hard) near3 (layer axis))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09
S262	1654	S250 and ((eight "8" eighth) near3 (magnetic near3 resist$4 gmr tmr spin$1valve spin adj valve magneto$1resist$4) (bridge wheatstone) same (gmr tmr spin$1valve spin adj valve magneto$1resist$4 magnetic near3 resist$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09
S263	411	S262 not S251	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09
S264	1888	S246 and ((eight "8" eighth) near3 (magnetic near3 resist$4 gmr tmr spin$1valve spin adj valve magneto$1resist$4) (bridge wheatstone) same (gmr tmr spin$1valve spin adj valve magneto$1resist$4 magnetic near3 resist$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09
S265	354	S264 not S263 not S251	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09

S266	73	S265 not S252	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09
S267	437	324/247.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09
S268	41	324/247,252.ccls. and ((pinned hard fixed) near3 (layer axis) and (gmr tmr magneto$1resist$4 magnetic near3 resist$4)).clm.	US-PGPUB	OR	ON	2009/12/30 18:09
S269	5	("20020006017" | "5315282" | "5561368" | "5945825" | "6465053").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/30 18:09
S270	901370	"324".clas. "338".clas. "360".clas. "438".clas. "29".clas. "365".clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09
S271	5136	S270 and tunnel$3 near3 magneto$1resist$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09
S272	560	S270 and tunnel$3 near3 magneto$1resist$4 with ("4" four fourth eight eighth bridge wheatstone plural$4 multipl$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09
S273	730	tunnel$3 near3 magneto$1resist$4 with ("4" four fourth eight eighth bridge wheatstone plural$4 multipl$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09
S274	170	S273 not S272	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09
S275	908	tunnel$3 near3 (magnetic near3 resist$4 magneto$1resist$4) with ("4" four fourth eight eighth bridge wheatstone plural$4 multipl$4 several additional)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09
S276	178	S275 not S274 not S273	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:09
S277	64	324/247,252.ccls. and ((spin$1valve spin adj valve (pinned hard fixed) near3 (layer axis) and (gmr magneto$1resist$4 magnetic near3 resist$4)) (tunnel$3 near3 (magneto$1resist$4 magnetic near3 resist$4) tmr)).clm.	US-PGPUB	OR	ON	2009/12/30 18:09
S278	2552	(bridge wheatstone) and (spin$1valve spin adj valve (pinned hard fixed bias$3) near3 (film layer) and (soft free easy) near3 (layer film))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:20
S279	1206	S278 and ((bridge wheatstone) near3 ("2" two plural$4 mulitpl$4 second additional several) bridges! wheatstones!)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:21

S280	478	S279 and (magneto$1resist$4 magnetic near3 resist$4 gmr tmr cmr)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 18:22
S281	12	("6501678").URPN.	USPAT	OR	ON	2009/12/30 19:18
S282	6	("6313627").URPN.	USPAT	OR	ON	2009/12/30 19:42
S283	4	("4401944" | "5561368" | "5686837" | "5945825").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/30 19:43
S284	36	S279 and (sdt spin$1dependent$1tunnel$4 spin adj dependent adj tunnel$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 19:51
S288	28041	324/207.21,252.ccls. 338/32R.ccls. 360/313,314,315,316,317,318,318.1,319,320,321,322,323,324,324.1,324.11,324.12,324.2,325,326,327,327.1,327.11,327.2,327.21,327.22,327.23,327.24,327.3,327.31,327.32,327.33.ccls. 438/3,10,14,17,48.ccls. 29/592,592.1,595,602.1,603.01.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/31 15:37
S297	6319	S288 and ((spin$1valve spin adj valve sdt spin$1dependent$1tunnel$5 spin adj dependent adj tunnel$5 tmr tunnel$5 near3 magneto$1resist$4 tunnel$5 near5 magnetic near3 resist$4 magnetic adj tunnel$5 adj junction magnetic$1tunnel$6junction) ((pinned fixed hard bias$3) near3 (layer film axis) and (easy soft free) near3 (layer film axis)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/31 16:05
S298	1381	S297 and ((dual plural$4 multipl$4 "2" two second additional several multi) near3 (bridge wheatstone) dual$1bridge dual$1wheatstone multi$1bridge multi$1wheatstone ("5" five fifth "6" sixth six "7" seven seventh "8" eight eighth) near3 (spin $1valve spin adj valve sdt spin$1dependent$1tunnel$5 spin adj dependent adj tunnel$5 tmr tunnel$5 near3 magneto$1resist$4 tunnel$5 near5 magnetic near3 resist$4 magnetic adj tunnel$5 adj junction magnetic$1tunnel$6junction))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/31 16:08
S302	28041	324/207.21,252.ccls. 338/32R.ccls. 360/313,314,315,316,317,318,318.1,319,320,321,322,323,324,324.1,324.11,324.12,324.2,325,326,327,327.1,327.11,327.2,327.21,327.22,327.23,327.24,327.3,327.31,327.32,327.33.ccls. 438/3,10,14,17,48.ccls. 29/592,592.1,595,602.1,603.01.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/02 19:18
S303	6319	S302 and ((spin$1valve spin adj valve sdt spin$1dependent$1tunnel$5 spin adj dependent adj tunnel$5 tmr tunnel$5 near3 magneto$1resist$4 tunnel$5 near5 magnetic near3 resist$4 magnetic adj tunnel$5 adj junction magnetic$1tunnel$6junction) ((pinned fixed hard bias$3) near3 (layer film axis) and (easy soft free) near3 (layer film axis)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/02 19:18
S304	0	S303 and ((pair$3 array$3) near3 (bridge wheatstone) near3 (spin$1valve spin adj valve sdt spin$1dependent$1tunnel$5 spin adj dependent adj tunnel$5 tmr tunnel$5 near3 magneto$1resist$4 tunnel$5 near5 magnetic near3 resist$4 magnetic adj tunnel$5 adj junction magnetic$1tunnel$6junction))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/02 19:18

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